**Homework 57H** Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Evaluate Inverse Trig Functions** Period:\_\_\_\_Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Failure to show all work and write in complete sentences will result in LaSalle!**

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| 1) For , if  and , what are the possible values of x?  A.  B.  C.  D.  E. | 2) For , if  and , what are the possible values of x?  A.  B.  C.  D.  E. |
| 3) Solve the equation for  without a calculator. Give your answer in both radians and degrees. | 4) Solve the equation for  without a calculator. Give your answer in both radians and degrees. |
| 5) Solve the equation for  without a calculator. Give your answer in both radians and degrees. | 6) Solve the equation for  without a calculator. Give your answer in both radians and degrees. |
| 7) Explain why the domain must be restricted when evaluating inverse trig functions. What restrictions are there on each domain? | |